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 US Pre-Grant Publication Full-Text Database  
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**Term:**

l6 and (silver or silver near2 oxide or Ag)

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result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L8</u>	l6 and (silver or silver near2 oxide or Ag)	39	<u>L8</u>
<u>L7</u>	L6 not l4	20	<u>L7</u>
<u>L6</u>	L5 same (anod\$2 or electrode) same (current collector or collect\$3)	62	<u>L6</u>
<u>L5</u>	l1 with (weight or wt or mass or ratio or "%" or percent)	11901	<u>L5</u>
<u>L4</u>	L3 same (current collector or collect\$3)	42	<u>L4</u>
<u>L3</u>	L2 with (weight or wt or mass or ratio or "%" or percent)	443	<u>L3</u>
<u>L2</u>	L1 with (anod\$2 or electrode)	4475	<u>L2</u>
<u>L1</u>	(Zn or zinc) with (ZnO or zinc oxide)	78302	<u>L1</u>

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L11: Entry 1 of 1

File: DWPI

Dec 10, 1999

DERWENT-ACC-NO: 2000-163791

DERWENT-WEEK: 200112

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TITLE: Cathode of airtight alkali zinc storage battery - includes non-charging active material whose geometric capacity is of predetermined value

INVENTOR: FUJITANI, S; NISHIO, K ; NOGAMI, M ; TOKUDA, M ; YANO, M

PATENT-ASSIGNEE:

ASSIGNEE

SANYO ELECTRIC CO LTD

CODE

SAOL

PRIORITY-DATA: 1998JP-0096866 (March 24, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11339846 A	December 10, 1999		007	H01M010/28
US 6190801 B1	February 20, 2001		000	H01M004/42
<u>CA 2267715 A1</u>	September 24, 1999	E	000	H01M010/24

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 11339846A	February 15, 1999	1999JP-0036497	
US 6190801B1	March 23, 1999	1999US-0274808	
CA 2267715A1	March 24, 1999	1999CA-2267715	

INT-CL (IPC): H01 M 4/42; H01 M 4/48; H01 M 4/52; H01 M 10/24; H01 M 10/28

ABSTRACTED-PUB-NO: JP 11339846A

## BASIC-ABSTRACT:

NOVELTY - The cathode has a non-charging active material whose geometric capacity (P) is 0.3-1.8 times of the battery capacity in the full charge state in early stages of the charging-discharging cycle. The geometric capacity (Q) of the non-charging active material in the perfect discharge state in the early stages of the charging-discharging cycle is set to 0.6-2.5 times that of the battery total capacity.

USE - For use in airtight alkali zinc storage battery.

ADVANTAGE - Improves charging-discharging characteristics of the storage battery.

## ABSTRACTED-PUB-NO:

US 6190801B

## EQUIVALENT-ABSTRACTS:

NOVELTY - The cathode has a non-charging active material whose geometric capacity (P) is 0.3-1.8 times of the battery capacity in the full charge state in early stages of the charging-discharging cycle. The geometric capacity (Q) of the non-charging active material in the perfect discharge state in the early stages of the charging-discharging cycle is set to 0.6-2.5 times that of the battery total capacity.

USE - For use in airtight alkali zinc storage battery.

ADVANTAGE - Improves charging-discharging characteristics of the storage battery.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: CATHODE AIRTIGHT ALKALI ZINC STORAGE BATTERY NON CHARGE ACTIVE MATERIAL  
GEOMETRY CAPACITY PREDETERMINED VALUE

DERWENT-CLASS: L03 X16

CPI-CODES: L03-E01B;

EPI-CODES: X16-B01A; X16-E01C1;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-051453

Non-CPI Secondary Accession Numbers: N2000-122366